PROJECTA

Projection screens for Cinema Installations

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Casino Royale introduces James Bond before he holds his license to kill. But Bond is no less dangerous, and with two professional assassinations in quick succession, he is elevated to '00' status. 'M', head of the British Secret Service, sends the newly-promoted 007 on his first mission, which takes him to Madagascar, the Bahamas and eventually leads him to Montenegro to face Le
GENRE: SUSPENSE/THRILLER / ADVENTURE / ACTION
CASINO ROYALE

Product Guide

Projecta designs and manufactures a comprehensive range of high quality projection screens suitable for home cinema installations. Using proprietary projection surfaces to ensure the highest quality of projection, each screen offers innovative installer-friendly features to enable you to deliver efficient installations on-time. In addition to the most popular sizes, a choice of screen fabrics and integration accessories are readily available to suit most installations.

Projecta's European production facility in Holland means that bespoke, custom requirements can be efficiently designed and manufactured to match the most challenging projects, within the shortest lead times. So it you can't find an appropriate screen solution here, please give us a call and we'll almost certainly be able to help.

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Guide to symbols and icons used:

Symbol	Measures	Icon	Description
	Viewing angle: number indicates the optimal width of the viewing angle at 50%		Optional variable black leader to accommodate variations in ceiling heights
	Measures fabric gain: the higher the gain the more light is transmitted		Optional case finishes available to any RAL colour reference
	Quiet motor: 10dB quieter than standard tubular motors		Ease of access to screen and motor after installation for service / maintenance
	Flame retardant		Multiple control and system integration options available
	Mildew resistant		Flexible installation mounting bracket can be fixed within 50cm of the case ends

Warranty:

All Projecta screens are supplied with 2-years parts and labour return to base warranty and electric motors are supported by a 5-year RTB warranty.

Choosing the right screen and fabric

Tensioned projection screens are preferable for home cinema installations and Projecta offers an extensive range of fixed-frame, motorised in-ceiling recessed and surface mount variants, each with a choice of matte white or HCCVS acoustically transparent screen fabrics. Tensioned screens ensure the screen surface remains perfectly flat whilst capable of withstanding changes in room temperature and humidity. Moreover the resilience of tensioned materials typically provides better longevity for the screen.

Where budgets dictate the provision of a non-tensioned solution, Projecta offers a comprehensive range of motorised in-ceiling recessed and surface mounted variants with matte white non-tensioned fabrics.

Selection of the appropriate screen and projection surface is an indispensable part of any home cinema projection system that depends on a number of interrelated variables - including the levels of ambient light, room size, room usage (dedicated cinema room or multi-purpose), ceiling height, seating arrangements, aspect ratio (video format) of the primary content and of course budget! What follows are typical 'best-fit' solutions suitable for most home cinema environments with an array of screen types - across screen sizes, optimised projection surfaces and extensive integration options. Bespoke, custom requirements are generally possible within relatively short lead times - please call for details!

Which screen fabric:

Matt white is one of the most versatile projection surfaces which provides accurate image reproduction, an exceptionally wide viewing angle and no loss in resolution. It is available for both tensioned and non-tensioned screens.

High Contrast Cinema Vision Sound provides an acoustically transparent perforated vinyl surface which allows audio from a centre channel speaker installed behind the screen to pass through the fabric without compromising acoustic performance. It is only available for tensioned screens and is particularly suitable for home cinema installations where video is the primary content being projected and ambient lighting is moderately controlled. It combines a grey base with a reflective top surface to deliver great black levels, deep-colours, improved detail and sharpness without sacrificing white levels.

A non-acoustically transparent high contrast variant is also available on most models - please call for details

Control and system integration

Projecta motorised screens are terminated to an Easy Install plug which can be connected to the supplied power lead or connected to a range of optional accessories for control and systems integration.

Projector 12V trigger interface

230V / 50Hz wired 12V trigger interface for integration with projectors with a 12V DC/ 85mA output. Equipped with a manual override switch on the trigger case and supplied with a 5m long white cable as standard.

Relay with potential-free contacts

The relay unit is connected with constant voltage and provides integration with 3rd party control systems by using potential-free contacts.

Infrared remote control

230V / 50Hz single-channel hand-held transmitter and receiver with an integrated IR sensor. Potential-free contacts are available in the receiver's housing to allow a screen to be operated by 3rd party control systems.

Surface mounted fixed-frame permanently tensioned screens

HomeScreen Deluxe premium fixed-frame tensioned screens are suitable for dedicated home cinema rooms where optimal image reproduction is required.

- Choice of flexible matte white vinyl or HCCVS acoustically transparent vinyl screen fabric available where a centre channel speaker needs to be installed behind the screen without compromising acoustic performance.
- These vinyl fabric surfaces are permanently tensioned on all sides to provide a perfectly flat projection surface.
- Heavy duty Velcro® ensures that the screen surface can be conveniently re-tensioned throughout its lifecycle.
- Flat aluminium frame with a black velvet cover which eliminates reflection and absorbs projected light.
- The bevelled frame (8cm wide x 3cm deep) helps reduce shadowing in the viewing area.

120° for matte white
100° for HCCVS

1.0 gain for matte white
1.1 gain for HCCVS

Custom options:

- Available in any size up to 5m wide
- Also available in Cinemascope format (2.35:1) in sizes up to 5m wide

Why choose a HCCV projection surface over matte white?

High Contrast Cinema Vision surfaces are optimised for home cinema installations where video is the primary content being watched and ambient lighting is moderately controlled. It combines a grey base with a reflective top surface to deliver great black levels, deep-colours, improved detail and sharpness without sacrificing white levels. In short it's a great choice for Cinema Room installations!

HCCVS (High Contrast Cinema Vision Sound) is an acoustically transparent (perforated) variant which allows audio from a centre channel speaker installed behind the screen to successfully pass through the projection surface without compromising acoustic performance.

Overall H x W cm	Viewing H x W cm	Diagonal	Screen fabrics	
			Matt white	HCCV Sound
			Part No.	Part No.
128 x 216	112 x 200	90”	PRO-FF-216-MW	PRO-FF-216-HCCVA
140 x 236	122 x 220	98”	PRO-FF-236-MW	PRO-FF-236-HCCVA
151 x 256	135 x 240	108”	PRO-FF-256-MW	PRO-FF-256-HCCVA
173 x 296	157 x 280	126”	PRO-FF-296-MW	PRO-FF-296-HCCVA
185 x 316	169 x 300	136”	PRO-FF-316-MW	PRO-FF-316-HCCVA
213 x 366	197 x 350	158”	PRO-FF-366-MW	PRO-FF-366-HCCVA

Fixed-frame permanently tensioned screens with motorised masking for Cinemascope

Multi-Mask Imager screens provide optimum viewing of multiple video formats to create a unique 'true-to-cinema' home cinema experience in your home. These permanently tensioned fixed frame screens incorporate motorised masking systems which support both HDTV (16:9) and Cinemascope (2.35:1) formats within the one screen.

With all masking retracted, the screen supports HDTV (16:9) video, whilst with masking, Cinemascope (2.35:1) aspect ratio is supported.

Cinemascope 2.35:1 aspect ratio

Cinemascope 2.35:1

Most DVDs are shot in a Cinemascope format, or close to that, which means that the top and bottom black borders increase. By utilising motorised panel sections, the system effectively masks 'bright spots' and avoids 'black illumination'.

HDTV 16:9 aspect ratio

- The screen is permanently tensioned on all sides to provide a perfectly flat projection surface
- A matte black velvet covered frame borders the surface to give every projection a perfect fitting, eliminating reflection and absorbing projected light.
- Electrically operated horizontal and vertical black border adjustments around the image enable your experience to be even more like a real movie cinema experience.
- Choice of flexible matte white vinyl or HCCVS acoustically transparent vinyl screen fabric available where a centre channel speaker needs to be installed behind the screen without compromising acoustic performance.
- 3x on-board motors (1x vertical masking + 2x horizontal masking)
- 4:3 and letterbox (1.85:1) aspect ratios also supported

120° for matte white
100° for HCCVS

1.0 gain for matte white
1.1 gain for HCCVS

Overall H x W cm	Viewable H x W cm		Screen fabrics	
	HDTV	Cinemascope	Matt white	HCCV Sound acoustically transparent
	16:9	2.35:1	Part No.	Part No.
160 x 229	113 x 203	86 x 203	PRO-MMF-229-MW	PRO-MMF-229-HCCVA
170 x 246	124 x 221	94 x 221	PRO-MMF-246-MW	PRO-MMF-246-HCCVA
178 x 259	132 x 233	99 x 233	PRO-MMF-259-MW	PRO-MMF-259-HCCVA
183 x 269	137 x 244	104 x 244	PRO-MMF-269-MW	PRO-MMF-269-HCCVA
193 x 289	147 x 264	112 x 264	PRO-MMF-289-MW	PRO-MMF-289-HCCVA
211 x 320	165 x 295	124 x 295	PRO-MMF-320-MW	PRO-MMF-320-HCCVA
Optional control accessory				
PRO-MULTI-IR-CTRL	Multi-channel IR remote control system			

In-ceiling recessed tab-tensioned motorised screen systems with quiet motor as standard

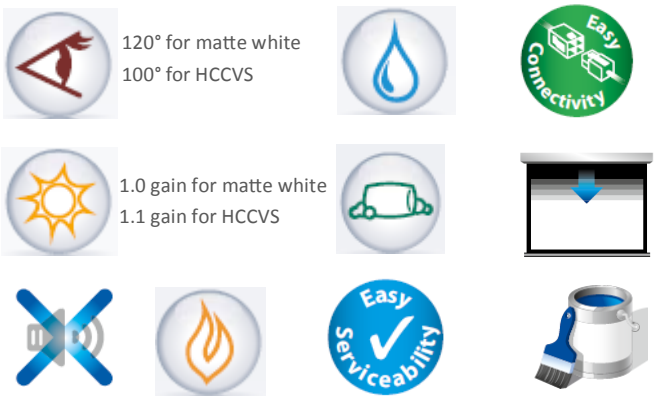
The Tensioned Descender Electrol series motorised in-ceiling recessed tensioned screens are optimised for high-end home cinema installations and outstanding image reproduction.

Case now, screen later

The system comprises 2 components which need to be specified and ordered separately. This enables you to supply the case to contractors at 1st fix to install and finish the ceiling. Once any custom considerations have been finalised the more expensive screen assembly can be subsequently ordered for installation and commissioning during final fix.

- The fabric is tensioned to provide a perfectly flat projection surface.
- Once installed the system is completely flush with the ceiling and the screen's lower bar neatly closes the case aperture.
- Easy serviceability design ensures that both the motor and screen assembly remain accessible after the installation for any routine maintenance / servicing.
- Choice of flexible matte white vinyl or HCCVS acoustically transparent vinyl screen fabric available where a centre channel speaker needs to be installed behind the screen without compromising acoustic performance.
- High speed quiet motor, approximately 10dB quieter than standard tubular motors.

Order case + screen assembly separately



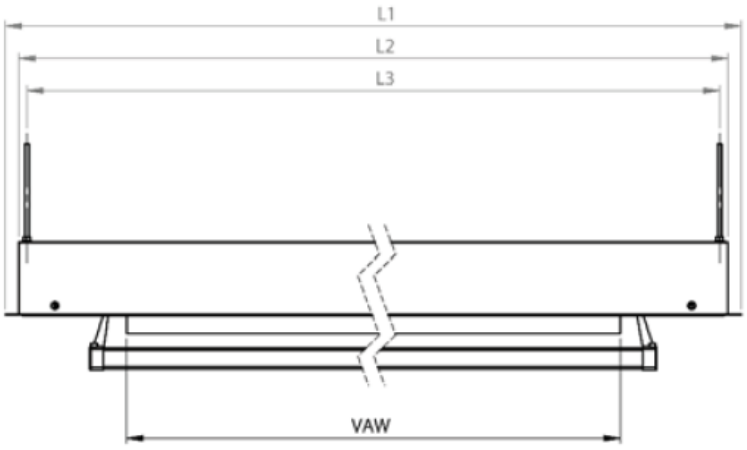
Overall H x W cm	Viewing H x W cm	Diagonal	Screen fabrics		In-ceiling recessed case
			Matt white	HCCV Sound acoustically transparent	
			Part No.	Part No.	Part No.
117 x 200	107 x 190	86"	PRO-CT-200-MW	PRO-CT-200-HCCVA	PRO-CASE-CT-200
128 x 220	118 x 210	95"	PRO-CT-220-MW	PRO-CT-220-HCCVA	PRO-CASE-CT-220
139 x 240	129 x 230	104"	PRO-CT-240-MW	PRO-CT-240-HCCVA	PRO-CASE-CT-240
173 x 300	163 x 290	131"	PRO-CT-300-MW	PRO-CT-300-HCCVA	PRO-CASE-CT-300
196 x 340	186 x 330	149"	PRO-CT-340-MW	PRO-CT-340-HCCVA	PRO-CASE-CT-340

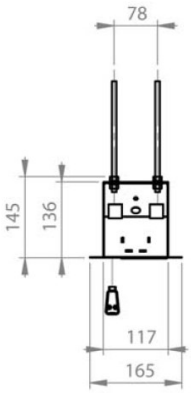
Optional control accessories:	
PRO-REM-IR	IR remote control kit
PRO-WCI	Wired 12V trigger control interface for projectors with 12V output
PRO-CTRL	Relay with potential free contacts for integration with 3rd party control systems

Tensioned Descender Electrol in-ceiling recessed tab-tensioned motorised screens

Options:

- A choice of 5x screen sizes available in 16:9 widescreen HDTV format as standard.
- Each is framed by a 5cm black border all round and a 30cm black leader.
- Limit switches / end positions are factory set, which should only be altered for minor adjustments on-site.
- Custom options available include:
    - Alternative screen sizes (larger or smaller).
    - Alternative height black leaders to accommodate variations in floor-to-ceiling heights which allow the screen to travel to the appropriate viewing height. Please note that standard cases accommodate total heights up to 3m and larger screens may therefore require a custom case.
    - Reverse-roll so that the screen surface exits the case reversely (e.g. where the normal screen path is obstructed).
    - Motors are located on the left hand side but can be positioned on the right if it makes wiring easier.
    - Cases are finished in white RAL 9016 with custom case finishes available in any RAL colour.





Screen specifications			Case specifications					Weight Kg
Overall H x W cm	Viewing H x W cm	Diagonal	L1 mm	L2 mm	L3 mm	Width	Height	
117 x 200	107 x 190	86”	2431	2381	2351	117	136	25
128 x 220	118 x 210	95”	2651	2601	2571	117	136	27
139 x 240	129 x 230	104”	2819	2769	2739	117	136	29
173 x 300	163 x 290	131”	3471	3421	3391	117	136	36
196 x 340	186 x 330	149”	3911	3861	3831	117	136	39

In-ceiling recessed non-tensioned motorised screens with quiet motor as standard

The Descender Electrol series provides a range of motorised in-ceiling recessed non-tensioned screens suitable for home cinema installations.

Case now, screen later

The system comprises 2 components which need to be specified and ordered separately. This enables you to supply the case to contractors at 1st fix to install and finish the ceiling. Once any custom considerations have been finalised the more expensive screen assembly can be subsequently ordered for installation and commissioning during final fix.

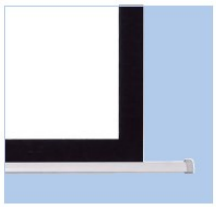
- Once installed the system is completely flush with the ceiling and the screen's lower bar neatly closes the case aperture.
- Easy serviceability design ensures that both the motor and screen assembly remain accessible after the installation for any routine maintenance / servicing.
- High speed quiet motor, approximately 10dB quieter than standard tubular motors.
- Variable height black leaders to accommodate variations in floor-to-ceiling heights which allow the screen to travel to the appropriate viewing height (depending on screen size).
- Matt white fiberglass based screen fabric.

Order case + screen assembly separately

Overall H x W cm	Viewing H x W cm	Diagonal	Screen assembly, matte white	Case
			Part No.	Part No.
117 x 200	107 x 190	86”	PRO-CN-200-MW	PRO-CASE-CN-200
128 x 220	118 x 210	95”	PRO-CN-220-MW	PRO-CASE-CN-220
139 x 240	129 x 230	104”	PRO-CN-240-MW	PRO-CASE-CN-240
173 x 300	163 x 290	131”	PRO-CN-300-MW	PRO-CASE-CN-300
196 x 340	186 x 330	149”	PRO-CN-340-MW	PRO-CASE-CN-340

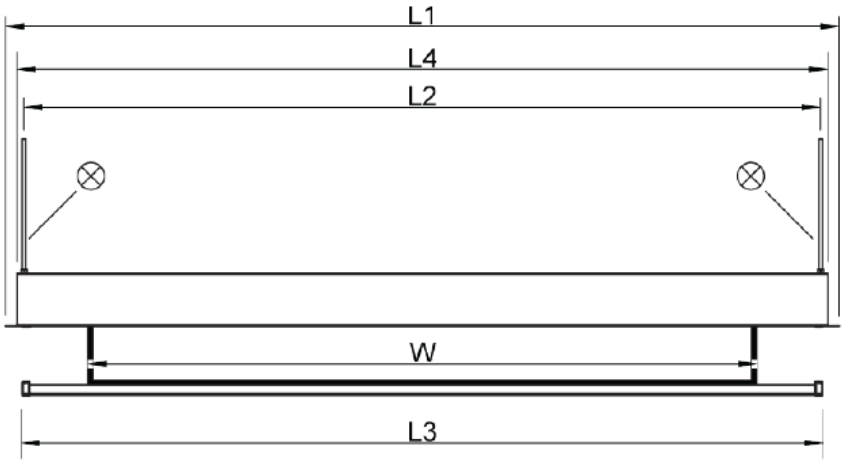
Optional control accessories:	
PRO-REM-IR	IR remote control kit
PRO-WCI	Wired 12V trigger control interface for projectors with 12V output
PRO-CTRL	Relay with potential free contacts for integration with 3rd party control systems

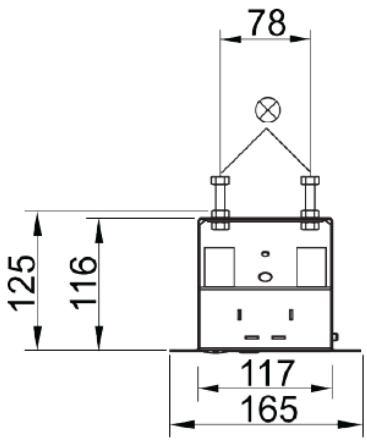
Descender Electrol in-ceiling recessed non-tensioned motorised screens



Options:

- A choice of 5x screen sizes available in 16:9 widescreen HDTV format as standard.
- Screens are framed by a 5cm black border all round and a variable black leader to accommodate variations in floor-to-ceiling heights and ensure the screen travels to the appropriate viewing height.
- Custom options available include:
    - Alternative screen sizes (larger or smaller).
    - Alternative height black leaders to accommodate extra-high ceilings which allow the screen to travel to the appropriate viewing height. Please note that standard cases accommodate total heights up to 3m and larger screens may therefore require a custom case.
    - Reverse-roll so that the screen surface exits the case reversely (e.g. where the normal screen path is obstructed).
    - Motors are located on the left hand side but can be positioned on the right to order if it makes wiring easier.
    - Cases are finished in white RAL 9016 with custom case finishes available in any RAL colour.





Screen specifications			Case specifications					Weight
Viewing H x W cm	Black leader cm	Diagonal	L1 mm	L2 mm	L3 mm	Width	Height	Kg
107 x 190	70	86”	2259	2197	2187	117	116	20
118 x 210	59	95”	2459	2379	2387	117	116	22
129 x 230	53	104”	2659	2597	2587	117	116	25
163 x 290	20	131”	3259	3179	3187	117	116	30
186 x 330	20	149”	3659	3579	3587	117	116	30

Surface mounted tab-tensioned motorised screens with quiet motor as standard

Tensioned Elpro Electrol series motorised surface mounted tensioned screens are suitable for high-end home cinema installations and outstanding image reproduction.

Easy Install

Flexible surface-mounting bracket suitable for wall or ceiling mounting. The mounting bracket can be fixed within 50cm of the case ends.

- The integral tab-tensioning mechanism ensures the screen surface remains perfectly flat.
- Choice of flexible matte white vinyl or HCCVS acoustically transparent vinyl screen fabric available where a centre channel speaker needs to be installed behind the screen without compromising acoustic performance.
- High speed quiet motor, approximately 10dB quieter than standard tubular motors.
- Limit switches / end positions are factory set and should only be altered for minor adjustments on-site.
- Available in widths up to 5m (Tensioned Elpro Large Electrol)

120° for matte white
100° for HCCVS

1.0 gain for matte white
1.1 gain for HCCVS

Overall H x W cm	Viewing H x W cm	Black leader cm	Diagonal	Screen fabric	
				Matt white	HCCV Sound acoustically transparent
				Part No.	Part No.
117 x 200	107 x 190	30	86”	PRO-ST-200-MW	PRO-ST-200-HCCVA
128 x 220	118 x 210	30	95”	PRO-ST-220-MW	PRO-ST-220-HCCVA
139 x 240	129 x 230	30	104”	PRO-ST-240-MW	PRO-ST-240-HCCVA
173 x 300	163 x 290	30	131”	PRO-ST-300-MW	PRO-ST-300-HCCVA
196 x 340	186 x 330	30	149”	PRO-ST-340-MW	PRO-ST-340-HCCVA

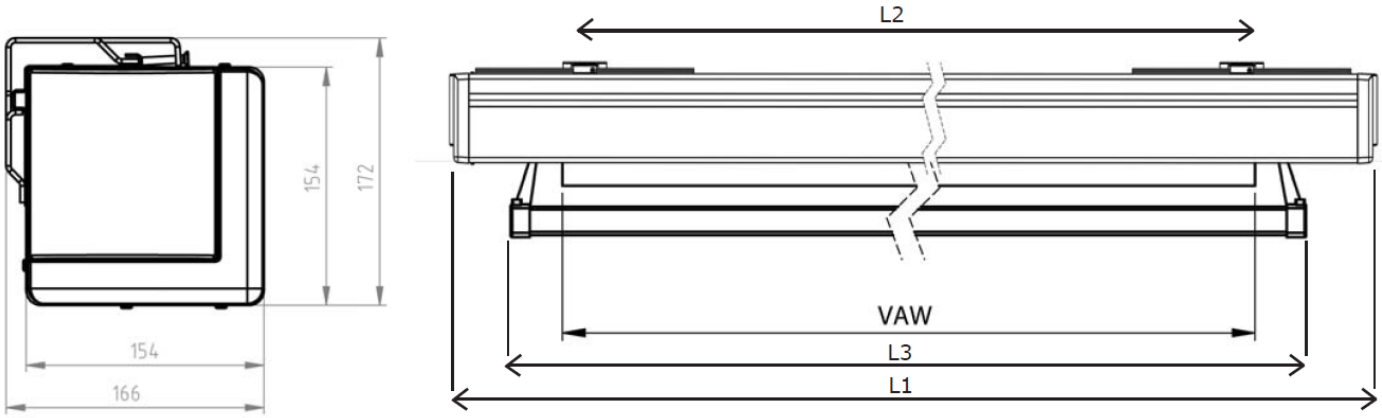
Optional control accessories:	
PRO-REM-IR	IR remote control kit
PRO-WCI	Wired 12V trigger control interface for projectors with 12V output
PRO-CTRL	Relay with potential free contacts for integration with 3rd party control systems

Tensioned Elpro Electrol surface mounted tab-tensioned motorised screens

Options:

- A choice of 5x screen sizes are available in 16:9 widescreen HDTV format as standard.
- Screens are framed by a 5cm black border all round and a 30cm black leader
- Limit switches / end positions are factory set, which should only be altered for minor adjustments on-site
- Custom options available include:
    - Alternative screen sizes
    - Alternative height black leaders available to accommodate variations in floor-to-ceiling heights which allow the screen to travel to the appropriate viewing height. Please note that standard cases accommodate total heights up to 3m and larger screens may therefore require a custom case.
    - Reverse-roll so that the screen surface exits the case reversely (e.g. where the normal screen path is obstructed).
    - Motors are located on the left hand side but can be positioned on the right to order if it makes wiring easier.
    - Cases are finished in white RAL 9016 with custom case finishes available in any RAL colour.

Dimensions:



Screen specifications			Case specifications					Weight
Viewing H x W cm	Black leader cm	Diagonal	L1 mm	L2 mm	L3 mm	Width	Height	Kg
107 x 190	30	86”	2334	1314 - 2114	2100	154	154	32
118 x 210	30	95”	2554	1534 - 2334	2312	154	154	34
129 x 230	30	104”	2722	1702 - 2502	2471	154	154	36
163 x 290	30	131”	3374	2354 - 3154	3095	154	154	43
186 x 330	30	149”	3814	2794 - 3594	3592	154	154	46

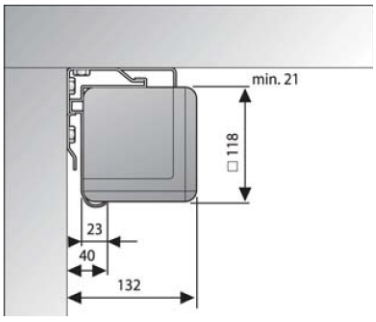
Surface mounted non-tensioned motorised screens with quiet motor as standard

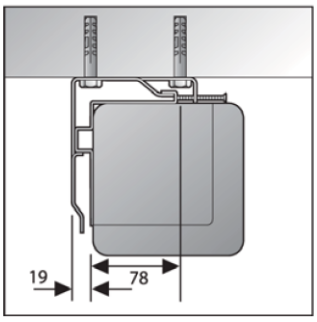
The Elpro Electrol series provides a comprehensive range of premium motorised surface mounted non-tensioned screens.

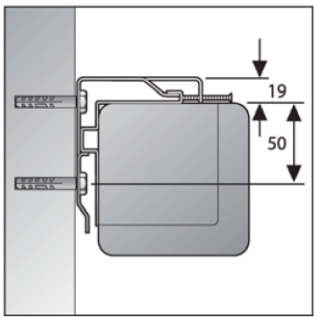
Easy Install

Flexible surface-mounting bracket suitable for wall or ceiling mounting. The mounting bracket can be fixed within 50cm of the case ends.

- High speed quiet motor, approximately 10dB quieter than standard tubular motors
- Variable height black leader to accommodate variations in floor-to-ceiling heights whilst ensuring that the screen travels to the appropriate viewing height (depending on scree size).
- Matte white fiberglass based projection surface
- Available in widths up to 5m (Elpro Large Electrol)







120°

1.0 Gain

Overall H x W cm	Viewing H x W cm	Black leader cm	Diagonal	Matt white screen fabric
				Part No.
117 x 200	107 x 190	70	86”	PRO-SNP-200-MW
128 x 220	118 x 210	59	95”	PRO-SNP-220-MW
139 x 240	129 x 230	48	104”	PRO-SNP-240-MW
173 x 300	163 x 290	20	131”	PRO-SNP-300-MW
196 x 340	186 x 330	20	149”	PRO-SNP-340-MW

Optional control accessories:	
PRO-REM-IR	IR remote control kit
PRO-WCI	Wired 12V trigger control interface for projectors with 12V output
PRO-CTRL	Relay with potential free contacts for integration with 3rd party control systems

Elpro Electrol surface mounted non-tensioned motorised screens

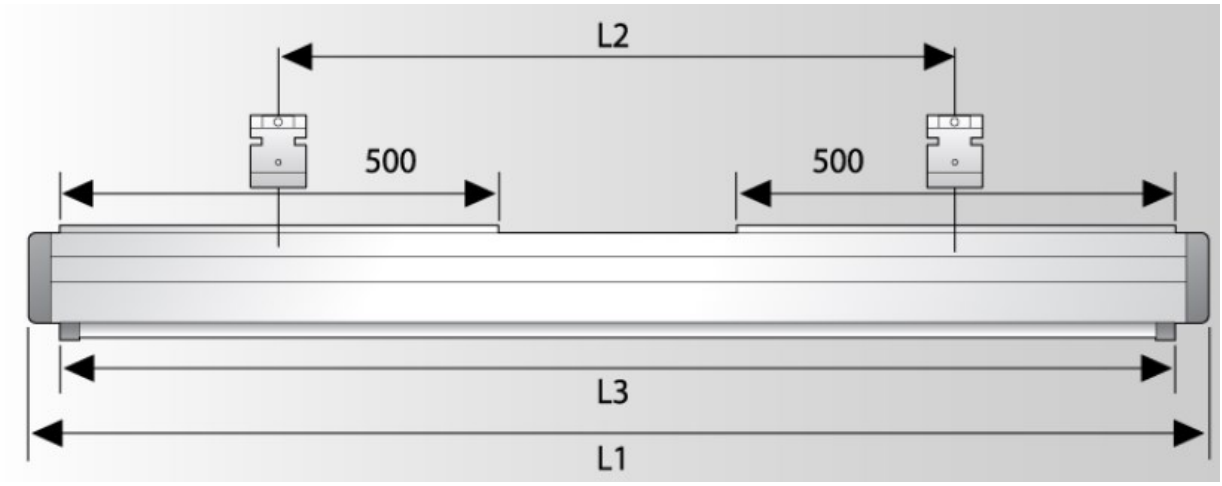
Options:

- A choice of 5x screen sizes available in 16:9 widescreen HDTV format as standard.
- Screens are framed by a 5cm black border all round and variable black leader to enable you to adjust the viewing height.
- Alternative height black leaders available to accommodate extra-high ceilings and ensure the screen travels to the appropriate viewing height. Please note that standard cases accommodate total heights up to 3m and larger screens may therefore require a custom case.

Custom options available include:

- Reverse-roll so that the screen surface exits the case reversely (e.g. where the normal screen path is obstructed).
- Motors are located on the left hand side as standard but can be positioned on the right to order if it makes wiring easier.
- The limit switches / end positions are factory set, and should only be altered for minor adjustments on-site.
- Standard cases are finished in white RAL 9016 with custom case finishes available in any RAL colour.

Dimensions:



Screen specifications			Case specifications					Weight
Viewing H x W cm	Black leader cm	Diagonal	L1 mm	L2 mm	L3 mm	Width	Height	Kg
107 x 190	70	86”	2135	1149 - 1949	2040	118	118	20
118 x 210	59	95”	2335	1349 - 2149	2240	118	118	22
129 x 230	48	104”	2535	1549 - 2349	2440	118	118	25
163 x 290	20	131”	3135	2149 - 2949	3040	118	118	30
186 x 330	20	149”	3535	2549 - 3349	3439	118	118	34

Entry level surface mounted non-tensioned motorised screens

The Cinema Electrol series provides a cost-effective range of surface mounted non-tensioned projection screens for home cinema installations.

Easy Install

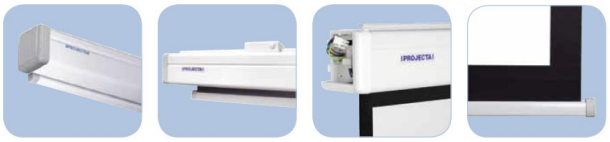
Flexible surface-mounting bracket suitable for wall or ceiling mounting. The mounting bracket can be fixed within 50cm of the case ends.

- Variable black leader accommodates multiple floor-to-ceiling heights and allows the screen to travel to the appropriate viewing height.
- Fiberglass based matt white surface
- 3 sizes available up to 2.4m wide
- Full range of control / systems integration options available separately (i.e. trigger, IR, RS-232).
- Generally available ex-stock for next day delivery

For larger screen sizes / custom options, etc. please see p. 11/12

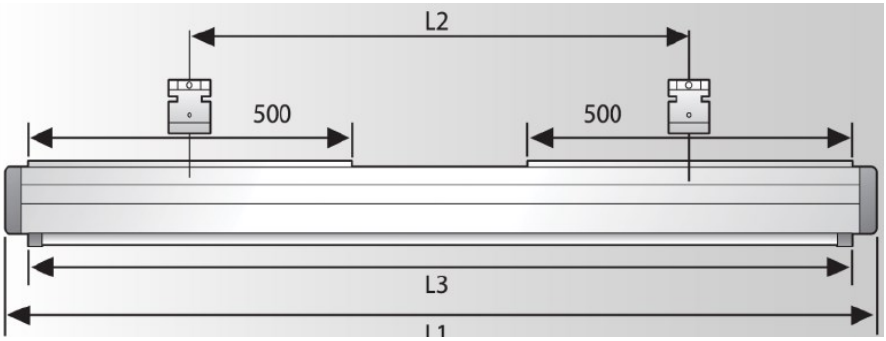
120°

1.0

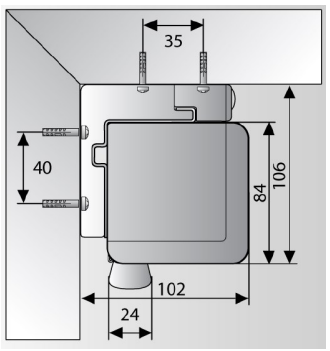


Overall H x W cm	Viewing H x W cm	Black leader cm	Diagonal	Matt white screen fabric	Case specifications		
				Part No.	L1 mm	L2 mm	L3 mm
117 x 200	107 x 190	70	86”	PRO-SNE-200-MW	2134	1954	2040
128 x 220	118 x 210	59	95”	PRO-SNE-220-MW	2334	1754	2240
139 x 240	129 x 230	48	104”	PRO-SNE-240-MW	2534	2354	2440
Optional control accessories:							
PRO-REM-IR	IR remote control kit						
PRO-WCI	Wired 12V trigger control interface for projectors with 12V output						
PRO-CTRL	Relay with potential free contacts for integration with 3rd party control systems						

Case dimensions: Front View



Side View:



PROJECTA

Projection screens for Cinema Installations

Habitech